Europäisches Patentamt
European Patent Office
Offic europ en des brevets



(11) EP 0 818 744 A3

(12)

EUROPEAN PATENT APPLICATION

(88) Date of publication A3: 08.07.1998 Bulletin 1998/28

(51) Int CI.⁶: **G06F 17/50**, C07K 1/00, C07K 5/08, C12N 9/74

- (43) Date of publication A2: 14.01.1998 Bulletin 1998/03
- (21) Application number: 97304412.6
- (22) Date of filing: 24.06.1997
- (84) Designated Contracting States:

 AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC

 NL PT SE

 Designated Extension States:

 AL LT LV RO SI
- (30) Priority: 08.07.1996 GB 9614302 07.08.1996 GB 9616562
- (71) Applicant: Proteus Molecular Design Limited Macclesfield, Cheshire SK11 OJL (GB)

- (72) Inventors:
 - Young, Stephen Clinton
 Stockport, Cheshire SK4 4DL (GB)
 - Murray, Christopher
 Macclesfield, Cheshire SK10 2TT (GB)
- (74) Representative: Cockbain, Julian, Dr. Frank B. Dehn & Co., European Patent Attorneys, 179 Queen Victoria Street London EC4V 4EL (GB)
- (54) Process for selecting candidate drug compounds
- (57) The invention relates to a process for selecting lead candidate drug compounds, and in particular to

such a process in which synthesis of candidate compounds is simplified and minimized and success rate with synthesized compounds is maximized.

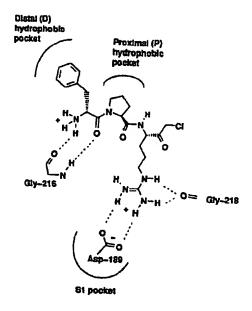


Figure 1

EP 0 818 744 A3



EUROPEAN SEARCH REPORT

Application Number · EP 97 30 4412

| i | | RED TO BE RELEVANT | Balana | AL ADDITION OF THE | | |
|------------------------------|--|--|---|--|--|--|
| Category | Citation of document with ine of relevant passa | | Relevant to claim | CLASSIFICATION OF THE APPLICATION (Int.CL6) | | |
| A | US 5 495 423 A (DEL) * the whole document | | 1,15 | G06F17/50 C07K1/00 C07K5/08 | | |
| A | WO 96 13785 A (ITAI) * the whole document | | 1,15 | C12N9/74 | | |
| A | US 5 463 564 A (AGR/ * the whole document | | 1,15 | | | |
| D | & WO 96 08781 A (3-0 PHARMACEUTICALS, INC | IMENSIONAL | 1,15 | | | |
| D,A | | AIDED MOLECULAR 1995, 0674802 | 1,15 | | | |
| A | MOON J B ET AL: "CO BIOACTIVE MOLECULES: RECEPTOR- BASED DE P PROTEINS, vol. 11, 1 January 1 pages 314-328, XP000 * the whole document | 1,15 | TECHNICAL FIELDS SEARCHED (Int.Cl.6) G06F C07K | | | |
| A | SHERIDAN R P ET AL: ALGORITHM TO SUGGES' LIBRARIES" JOURNAL OF CHEMICAL COMPUTER SCIENCES, vol. 35, no. 2, 1 Ma pages 310-320, XPO80 * the whole document | COMBINATORIAL INFORMATION AND arch 1995, 1576026 | 1,15 | | | |
| | The present search report has b | een drawn up for all claims | | | | |
| | Place of search | Date of completion of the search | | Examiner | | |
| | BERLIN | 15 April 1998 | Nic | tholls, J | | |
| X : part Y : part door | ATEGORY OF CITED DOCUMENTS icularly relevant if taken elone icularly relevant if combined with another meet of the same category motogical bookground | T: theory or principle E: aerillor patient door after the filling date D: document object in L: document citied for | ument, but public the application rother reasons | nvention shed on, or | | |

- A : technological backgrour O : non-written disclosure P : intermediate document

EP 0 818 744 A3



EUROPEAN SEARCH REPORT

Application Number EP 97 30 4412

| i | DOCUMENTS CONSID | ERED TO BE RELEVANT | <u> </u> | | |
|--|---------------------------------|--|---|----------------------------|---------------------|
| ategory | Citation of document with i | ndication, where appropriate, ages | Relevant to claim | CLASSIFICATION APPLICATION | |
| Α. | | ebruary 1992, 660808 | 1,15 | | |
| | | | | TECHNICAL F SEARCHED | IELDS (Int.Cl.6) |
| | | | | | |
| | | | | | |
| | The present search report has t | peen drawn up for all claims | | | |
| | Place of search | Date of completion of the search | | Exeminer | |
| | BERLIN | 15 April 1998 | Nic | holls, J | |
| CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disolosure P : intermediate document | | E : earlier patent after the filing D : document cits L : document cits | T: theory or principle underlying the invention E: earlier patent document, but published on, or offer the filing date D: document cited in the application L: document cited for other reasons | | |

O FORM 18th to 82